



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : John Raymond Klein
Serial No. : 09/803,203
Filed : March 9, 2001
Title : AUTO CONFIGURATION OF PORTABLE COMPUTERS FOR USE IN
WIRELESS LOCAL AREA NETWORKS

Art Unit : 2152
Examiner : Unknown

Attention: Official Draftsman
Commissioner for Patents
Washington, D.C. 20231

TRANSMITTAL OF AMENDED DRAWINGS

Enclosed are 3 sheets of amended drawings for the application with changes indicated in red.

The drawings have been amended to correct minor typographical errors.

Applicant submits that no new matter is introduced and requests approval of the amended drawings.

Respectfully submitted,

Date:

6/5/01

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I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

Date of Deposit

June 7, 2001

Signature

Maureen Christiano

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09803203-051101

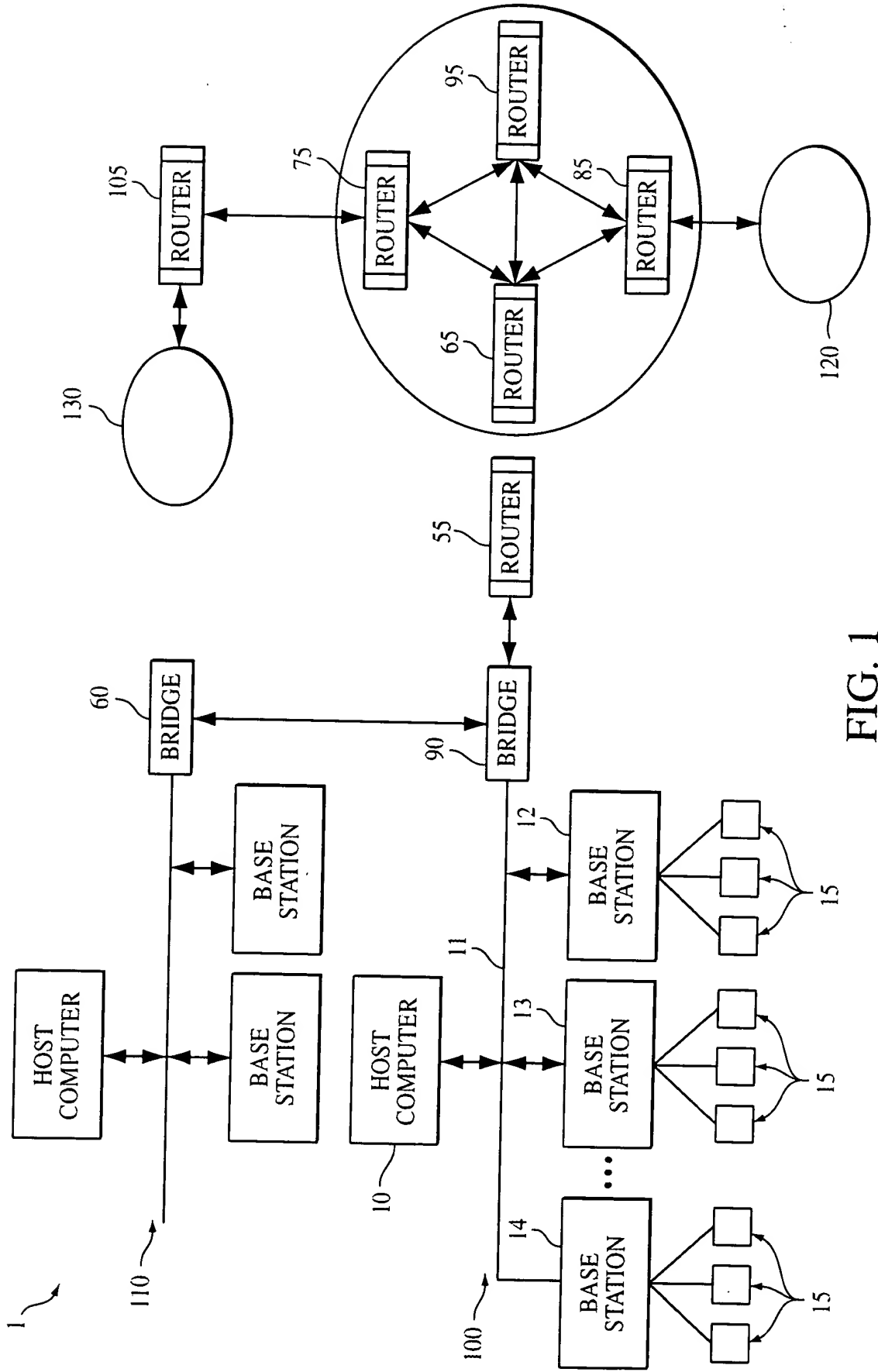


FIG. 1

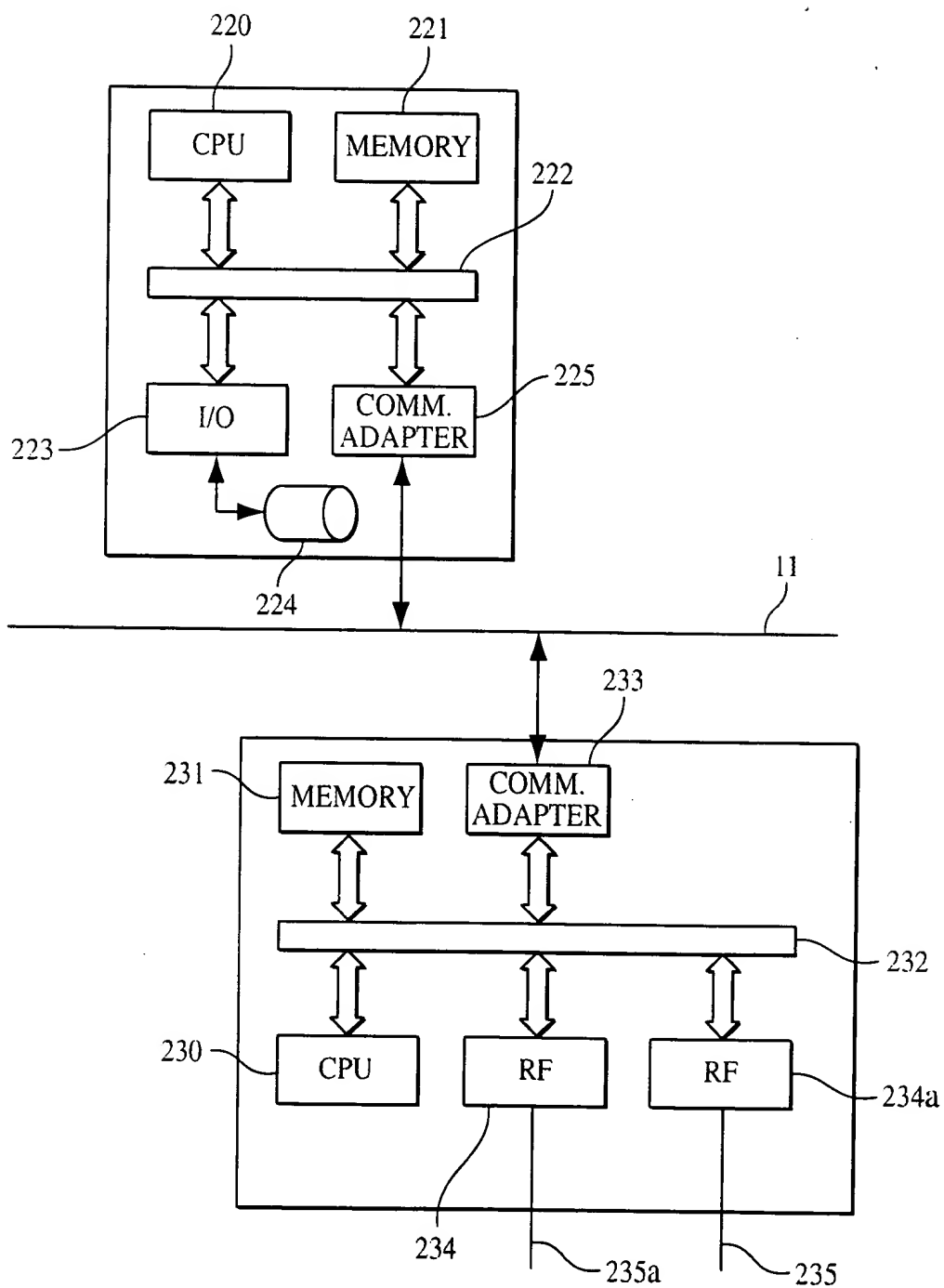


FIG. 2

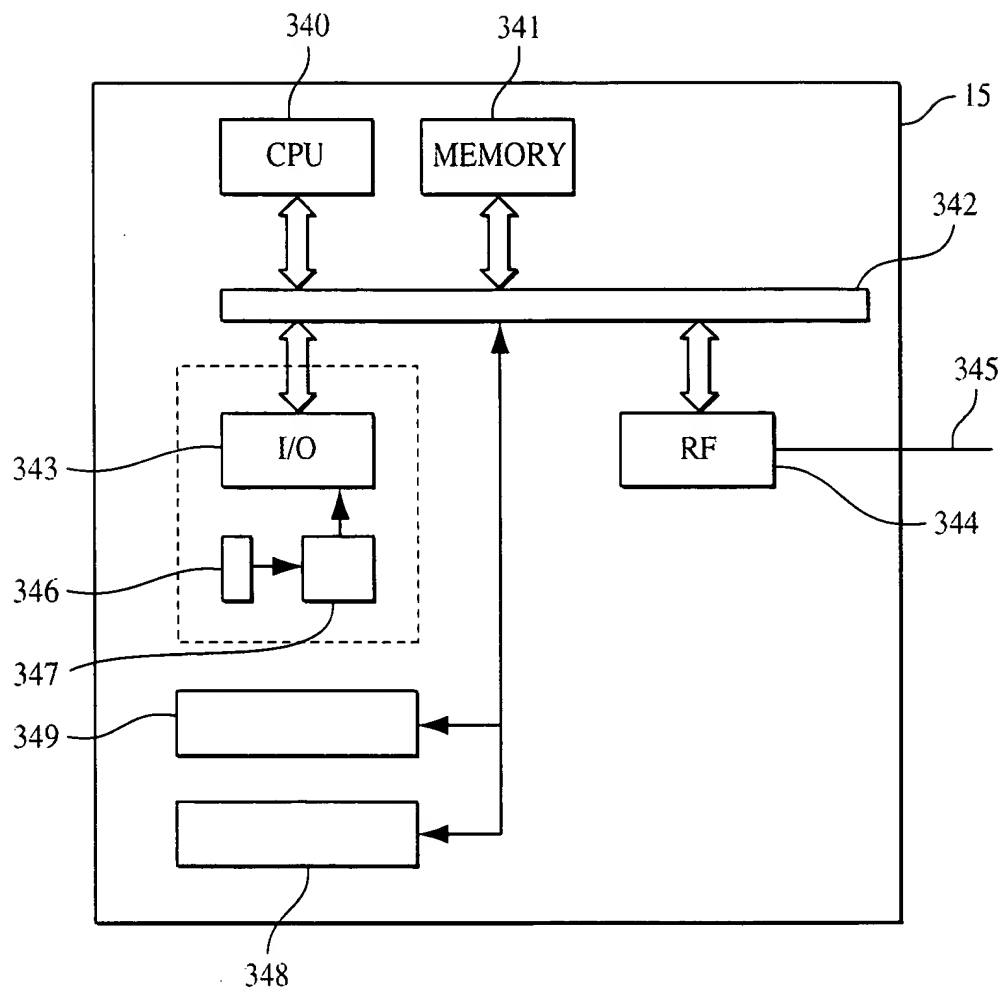


FIG. 3

The diagram illustrates a system architecture with three main layers:

- APPLICATION ENVIRONMENT 410:** This layer contains two applications, APPLICATION 411 and APPLICATION 414. APPLICATION 411 is connected to DLL 412 and DLL 413. APPLICATION 414 is connected to DLL 415 and DLL 416. All connections are bidirectional.
- APPLICATION PROGRAM INTERFACE 490:** This layer acts as a bridge between the application environment and the operating system. It contains two vertical double-headed arrows, one for each application, indicating bidirectional communication.
- OPERATING SYSTEM 430:** This layer contains the BIOS 402, the CONFIGURATION DATABASE 440, and two device drivers, DEVICE DRIVER 450 and DEVICE DRIVER 460. The CONFIGURATION DATABASE 440 is connected to both device drivers with bidirectional arrows. The device drivers are also connected to the hardware layer below with bidirectional arrows.

FIG. 4

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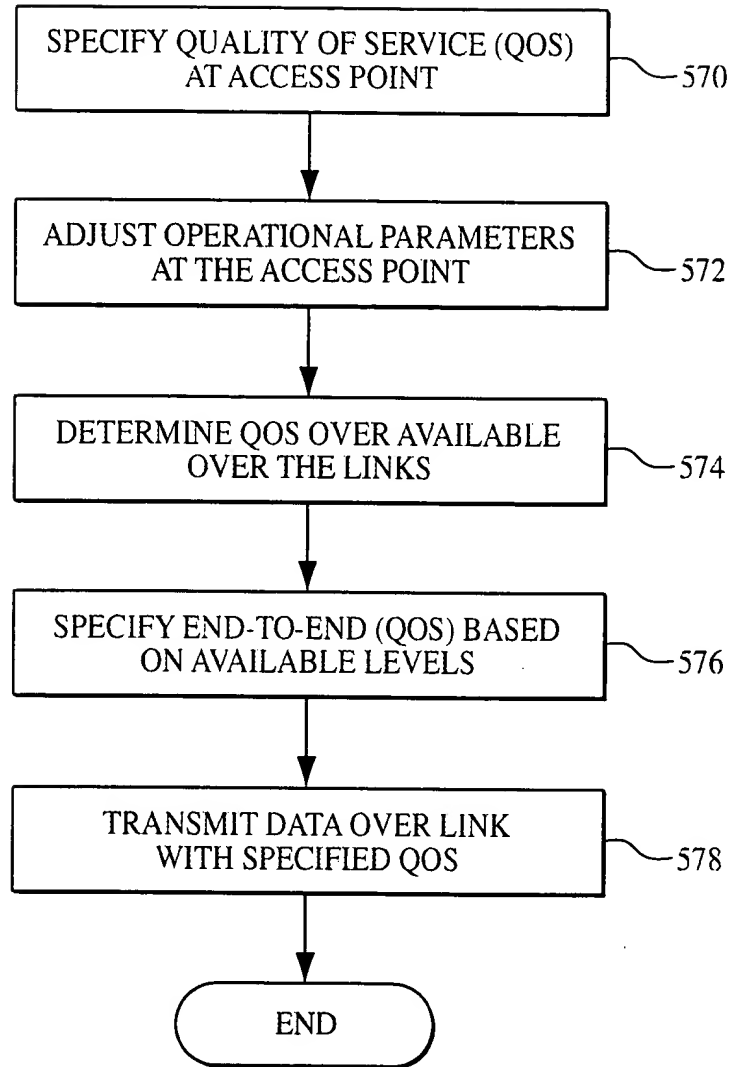


FIG. 5

0903203.06101

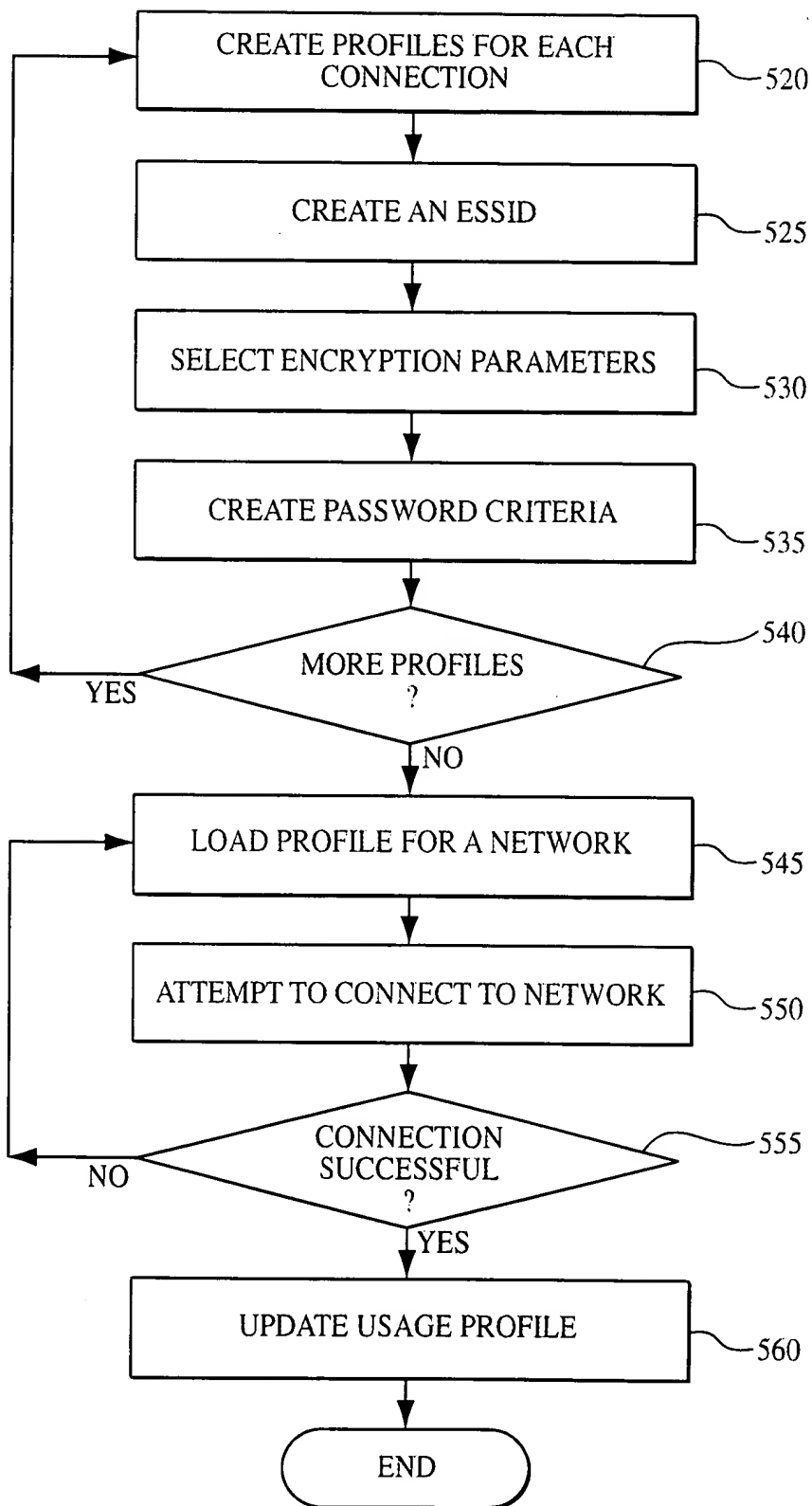


FIG. 5A

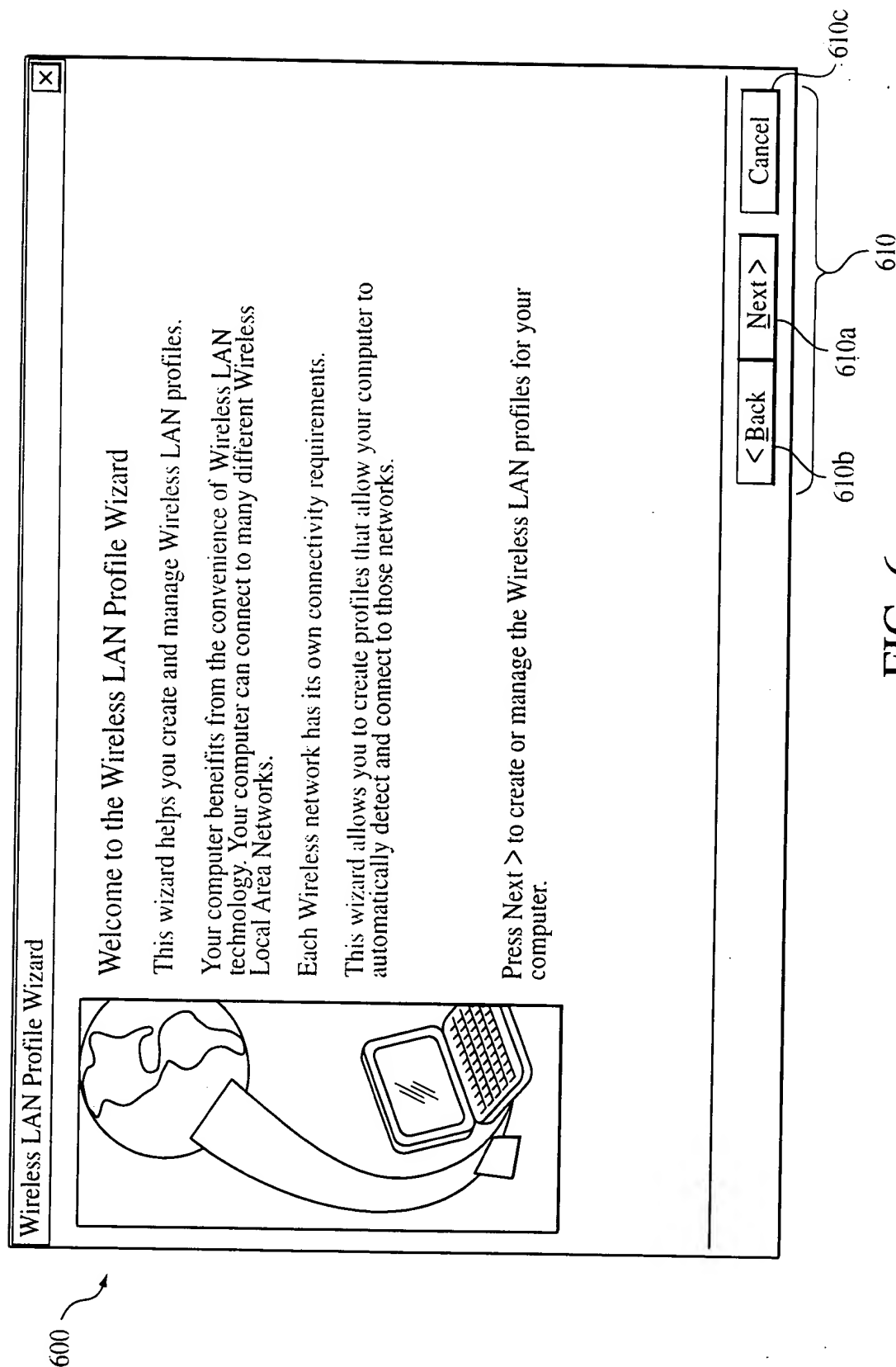


FIG. 6

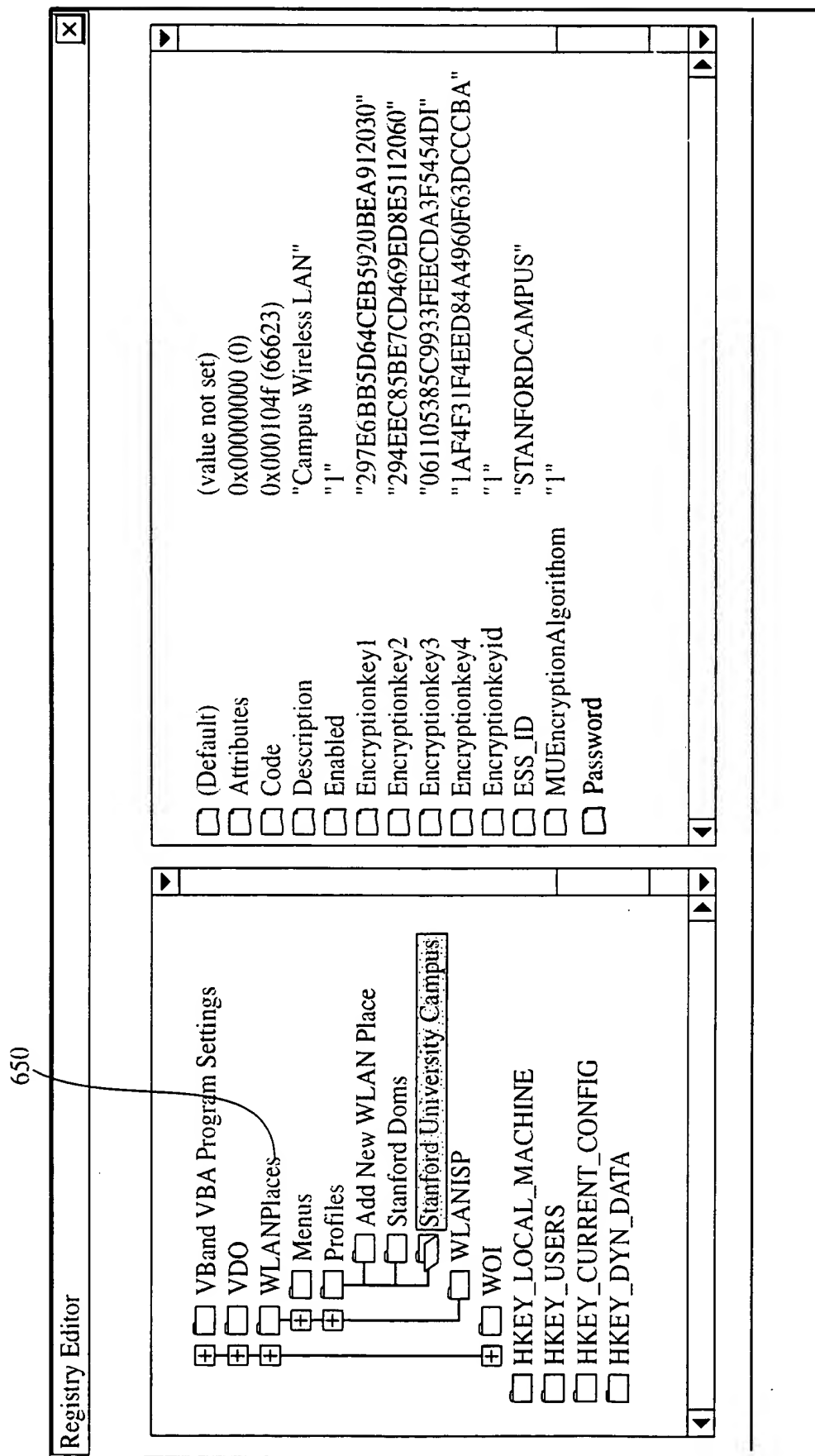


FIG. 6a

700

Wireless LAN Profile Wizard - Create

Create Wireless LAN Profile

Using this wizard you can create a connection to a Wireless Local Area Network (WLAN) enabling applications such as e-mail, Web browsing, file sharing and printing.

The first step to creating a new connection profile is to name your profile. Enter the name for your profile below.

Profile name: 703

Profile description: 705

Press Next > to continue the profile creation process.

< Back Next > Cancel 710a 710b 710c 710

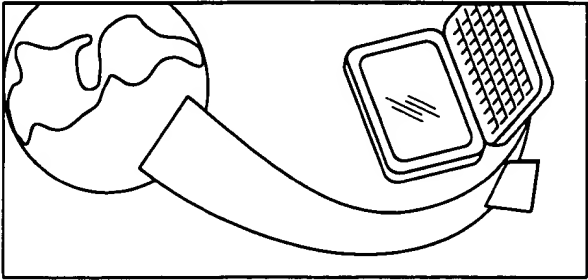


FIG. 7

800

Wireless LAN Profile Wizard - ESSID

Before you can make Wireless LAN connections Windows needs to know your Wireless LAN profiled Extended Server Set Identifier (ESSID).

Enter the ESSID profiled by your Wireless LAN service provider below.

ESSID

805

Press Next > to continue the profile creation process.

< Back Next > Cancel

810b 810a 810c

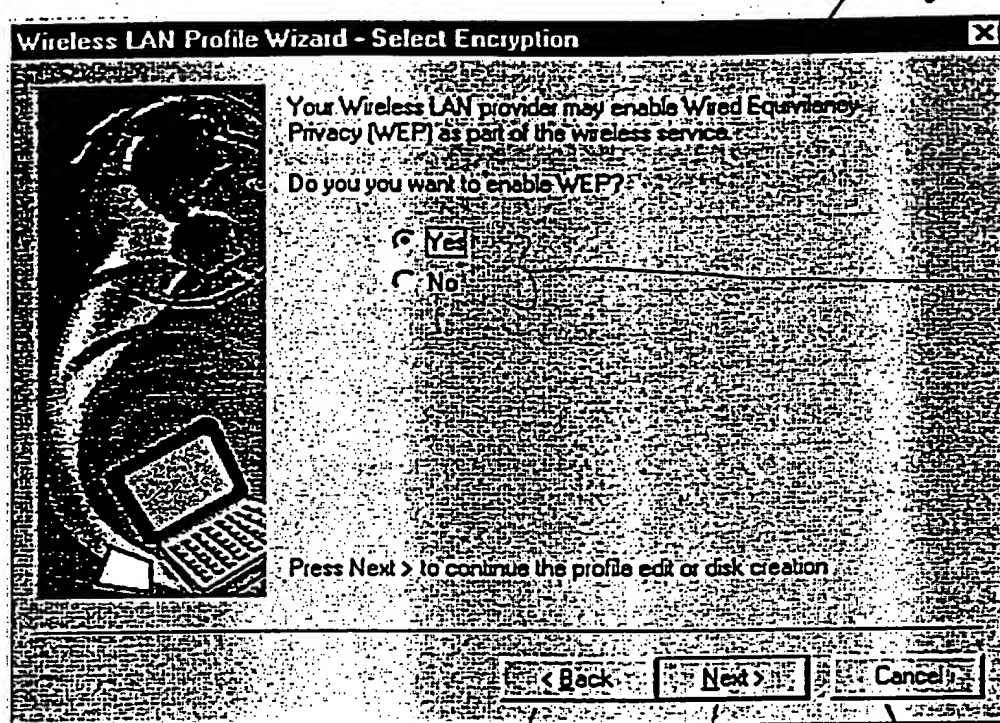
FIG. 8



900 →

→ Equivalency

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905

910b

910a

910c

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Fig. 9

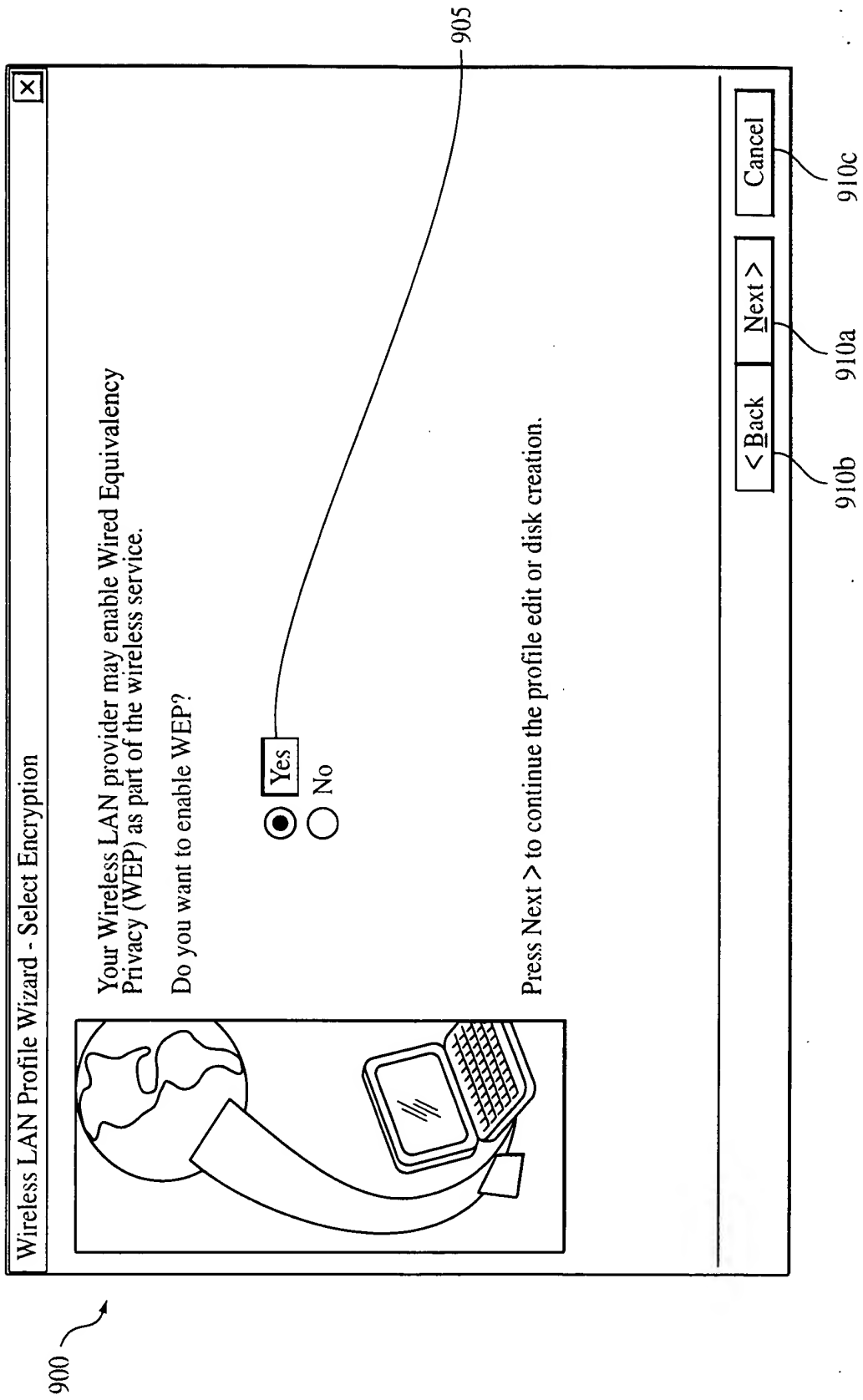


FIG. 9

Wireless LAN Profile Wizard - Encryption

X

The Shared Key Equivalency Privacy security scheme uses secret keys that are used to encrypt data as it is transmitted over the Wireless LAN. Enter the Encryption Keys and select the key that's used by your computer and the Wireless LAN.

☒ Enable Key #1
 ☐ Enable Key #2
 ☐ Enable Key #3
 ☐ Enable Key #4

Key

Key

Key

Key

Press Next > to continue the profile creation process.

< Back

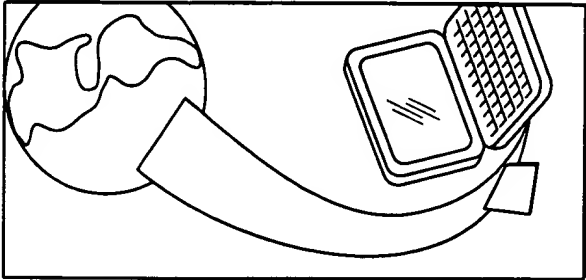
Next >

Cancel

FIG. 10

1100

Wireless LAN Profile Wizard - Password



Your system uses Encryption to protect your data. It is recommended that you password protect your profile so others cannot view the system encryption keys.

Do you want to password protect your profile?

☒ Yes ☐ No

1103

1104

1105

Password

Confirm Password

Press Next > to continue the profile creation process.

< Back

Next >

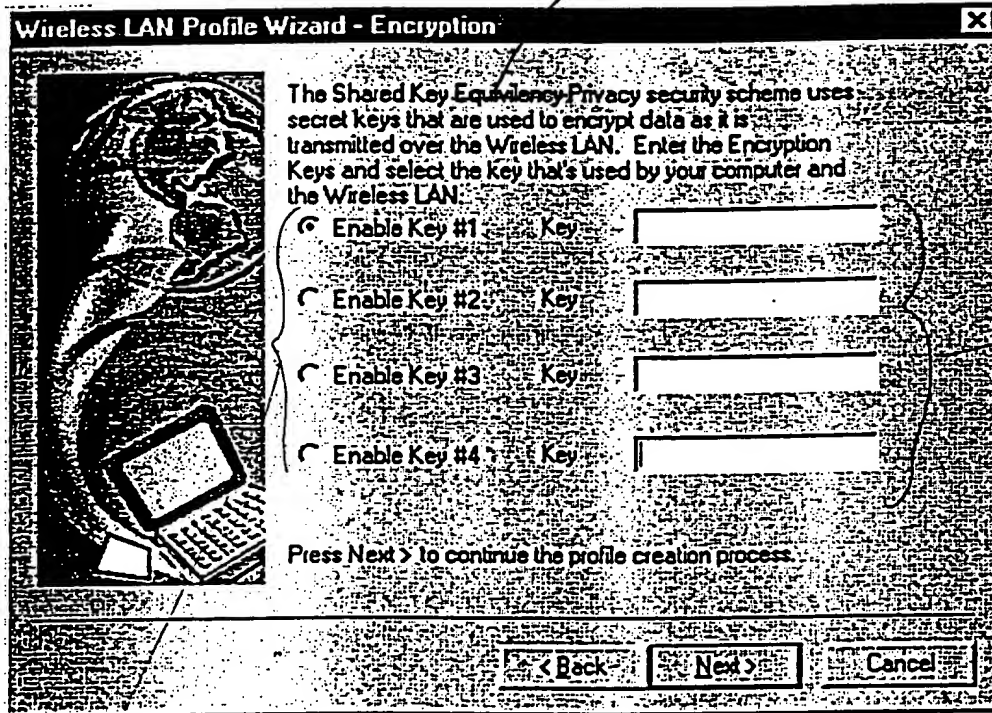
Cancel

1110b

1110a

1110c

FIG. 11



Equivalency

1005

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Fig. 10

09803203-051101

1004

1010b

1010a

1010c

1000



1100



recommended

Wireless LAN Profile Wizard - Password

Your system uses Encryption to protect your data. It is recommended that you password protect your profile so others cannot view the system encryption keys.

Do you want to password protect your profile?

☒ Yes

☐ No

Password:

Confirm Password:

Press Next > to continue the profile creation process.

< Back Next > Cancel

1103

1104

1105

1110b

1110a

1110c

Fig. 11

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09803203-061101

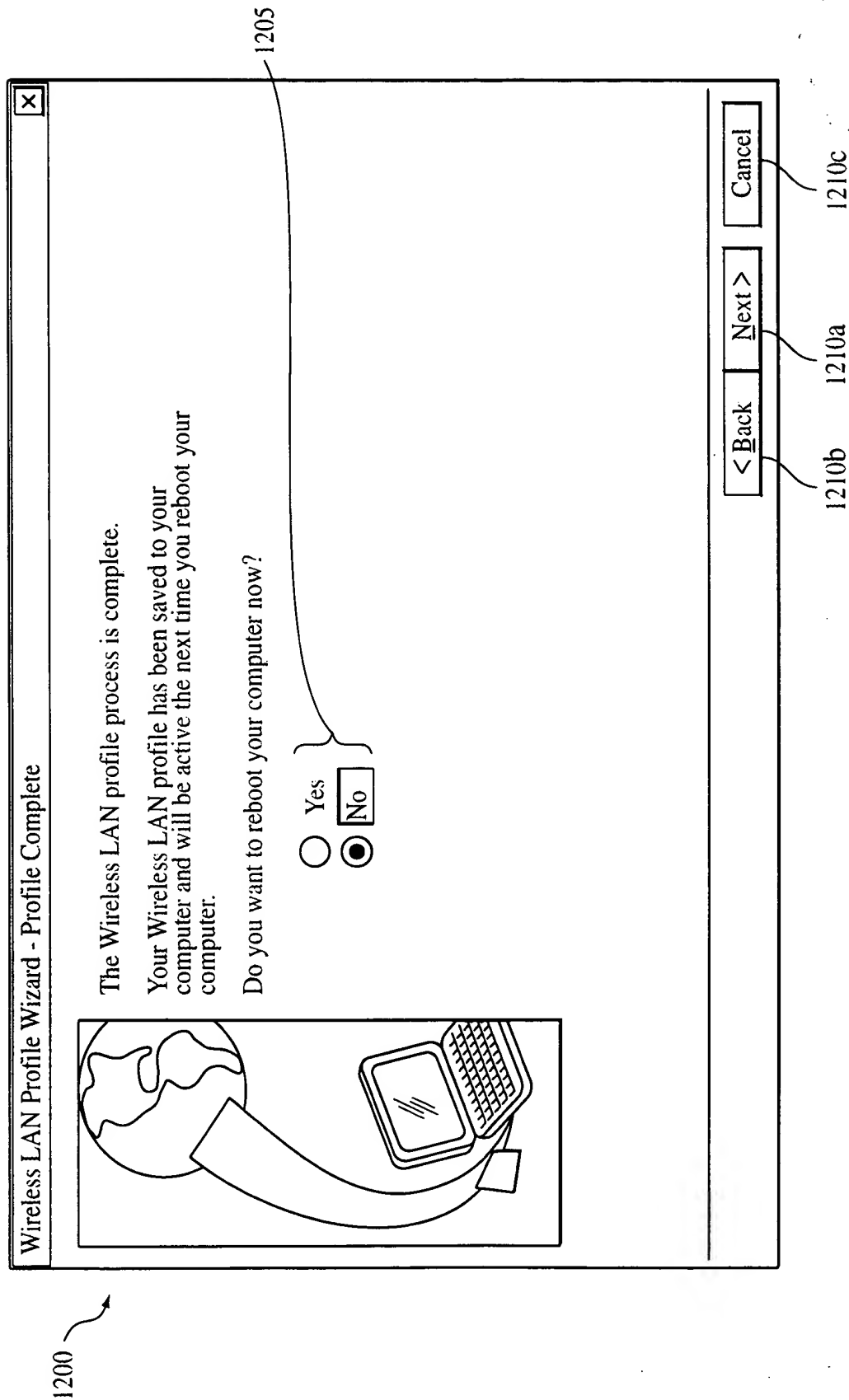


FIG. 12

1300

1305 1310 1315

Wireless LAN Profile Properties

General Encryption Password

Settings

Profile name: CA Airports

Profile description: Untitled WLAN Profile

ESSID: 101

1306 1307 1308

1320a 1320b 1320c

OK Cancel Apply

FIG. 13